

XS 系列

概述

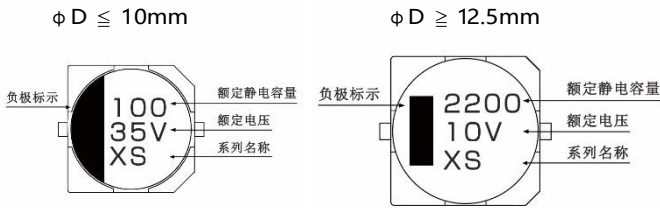
- $\phi 4 \sim \phi 12.5$ 、85°C、2000 小时寿命保证
- 适用回流焊接
- 适用高密度 PCB 表面贴装
- 符合 RoHS 2.0 及 REACH&SVHC 240 项



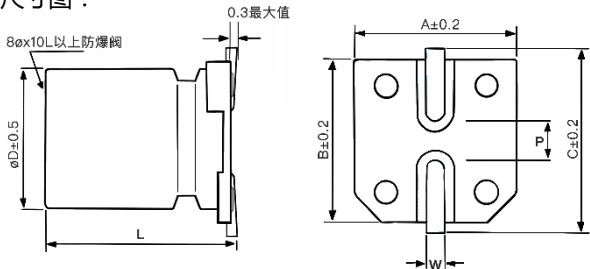
印字颜色：黑色

规 格 表										
工作温度范围	-40℃ ~ +85℃									
静电容量容差	±20% (120 Hz / +20 ℃)									
漏电流	I ≤ 0.01 CV 或 3μA 取较大者 (20℃ 充电 2 分钟后)									
损耗角正切值 (tan δ)	请参照特性一览表									
低温特性 (120Hz)	额定电压 (V)	6.3	10	16	25	35	50	63	100	阻抗比 不大于 左表
	Z (-25 ℃) / Z (+20 ℃)	4	4	3	2	2	2	2	2	
	Z (-40 ℃) / Z (+20 ℃)	8	6	4	3	3	3	3	3	
耐久性	在+85 ℃ ± 2 ℃ 的条件下, 对电容施加额定工作电压 2000 小时后, 待制品回复至 20℃环境时, 需满足下列要求:									
	静电容量变化	初始标准值的±20%以内								
	损耗角正切值 (tan δ)	不大于初始标准值的 200 %								
	漏电流	不大于初始标准值								
高温无负荷特性	在+85 ℃ ± 2 ℃ 的情况下连续 1000 小时, 待制品回复至 20℃环境时, 需满足上述各项耐久性。									
焊接耐热性	经回流焊接, 恢复至标准气候测量, 满足下列要求:									
	静电容量变化	初始值 ±10% 以内								
	损耗角 (tan δ)	不大于初始标准值								
	漏电流	不大于初始标准值								
纹波电流频率补正系数	频率	50Hz		120Hz		1kHz		10kHz≤		
	C ≤ 1000μF	0.7		1.0		1.2		1.3		
	C > 1000μF	0.8		1.0		1.1		1.2		

标示:



产品尺寸图:



料号说明:

XS 系列 16V 220 μ F $\pm 20\%$ 6.3 ϕ x 7.7L

XS **1C** **221** **M** **0607**

系列名称 额定电压 额定静电容量 额定静电容量容差 产品尺寸

外观尺寸						单位: mm
ϕD	L	A	B	C	W	P ± 0.2
4	5.4 ± 0.4	4.3	4.3	5.1	0.5~0.8	1.0
5	5.4 ± 0.4	5.3	5.3	6.1	0.5~0.8	1.3
6.3	5.4 ± 0.4	6.6	6.6	7.3	0.5~0.8	2.2
6.3	7.7 ± 0.3	6.6	6.6	7.3	0.5~0.8	2.2
8	6.5 ± 0.5	8.3	8.3	9.2	0.7~1.2	3.2
8	10.5 ± 0.5	8.3	8.3	9.2	0.7~1.2	3.2
10	7.7 ± 0.3	10.3	10.3	11.2	0.7~1.2	4.4
10	10.5 ± 0.5	10.3	10.3	11.2	0.7~1.2	4.4
10	13 ± 0.5	10.3	10.3	11.2	0.7~1.2	4.4
12.5	13.5 ± 0.5	13.0	13.0	14.0	1.0~1.4	4.4
12.5	16 ± 0.5	13.0	13.0	14.0	1.0~1.4	4.4

特性一览表							
额定电压 (V)	静电容量 (±20%) (μF)	产品尺寸		特性		料号③	编带装盘
		直径 (mm)	高度 (mm)	额定纹波电流① (mArms)	tan δ②		最小包装数 (pcs/盘)
6.3	22	4	5.4	26	0.30	XS0J220M0405	2000
	33	4	5.4	31	0.30	XS0J330M0405	2000
	47	4	5.4	34	0.30	XS0J470M0405	2000
		5	5.4	55	0.30	XS0J470M0505	1000
	68	5	5.4	58	0.30	XS0J680M0505	1000
		6.3	5.4	89	0.30	XS0J680M0605	1000
	100	5	5.4	58	0.30	XS0J101M0505	1000
		6.3	5.4	89	0.30	XS0J101M0605	1000
	220	6.3	5.4	89	0.30	XS0J221M0605	1000
		6.3	7.7	124	0.30	XS0J221M0607	1000
	330	6.3	7.7	124	0.30	XS0J331M0607	1000
		8	6.5	190	0.30	XS0J331M0806	1000
	470	6.3	7.7	124	0.30	XS0J471M0607	1000
		8	10.5	290	0.30	XS0J471M0810	500
	680	10	7.7	290	0.30	XS0J681M1007	500
10	1000	8	10.5	290	0.30	XS0J102M0810	500
		10	10.5	430	0.30	XS0J102M1010	500
	2200	12.5	13.5	890	0.40	XS0J222M1313	200
	3300	12.5	16	1000	0.42	XS0J332M1316	200
	10	4	5.4	26	0.24	XS1A100M0405	2000
		5	5.4	44	0.24	XS1A220M0505	1000
	22	4	5.4	26	0.24	XS1A220M0405	2000
		5	5.4	44	0.24	XS1A220M0505	1000
	33	4	5.4	31	0.24	XS1A330M0405	2000
		5	5.4	55	0.24	XS1A330M0505	1000
	47	5	5.4	55	0.24	XS1A470M0505	1000
		6.3	5.4	75	0.24	XS1A470M0605	1000
	68	5	5.4	58	0.24	XS1A680M0505	1000
		6.3	5.4	89	0.24	XS1A680M0605	1000
	100	5	5.4	58	0.24	XS1A101M0505	1000
		6.3	5.4	89	0.24	XS1A101M0605	1000
	220	6.3	5.4	89	0.24	XS1A221M0605	1000
		6.3	7.7	124	0.24	XS1A221M0607	1000
		8	6.5	175	0.24	XS1A221M0806	1000
		8	10.5	270	0.24	XS1A221M0810	500
	330	6.3	7.7	124	0.24	XS1A331M0607	1000
		8	10.5	290	0.24	XS1A331M0810	500
	470	6.3	7.7	110	0.24	XS1A471M0607	1000
		8	10.5	290	0.24	XS1A471M0810	500
		10	7.7	290	0.24	XS1A471M1007	500
		10	10.5	400	0.24	XS1A471M1010	500
	680	10	10.5	410	0.24	XS1A681M1010	500
	1000	10	10.5	430	0.26	XS1A102M1010	500
	2200	12.5	13.5	890	0.36	XS1A222M1313	200

①额定纹波电流 (120Hz / +85℃) ②损耗角正切值 tan δ (120Hz / +20℃) ③若是车规产品, 料号后增加 1 位编码 "a"

※关于回流焊温度曲线, 请参阅目录回流焊条件说明

特性一览表							
额定电压 (V)	静电容量 (±20%) (μF)	产品尺寸		特性		料号③	编带装盘
		直径 (mm)	高度 (mm)	额定纹波电流① (mArms)	tan δ②		最小包装数 (pcs/盘)
16	10	4	5.4	26	0.20	XS1C100M0405	2000
	22	4	5.4	30	0.20	XS1C220M0405	2000
		5	5.4	44	0.20	XS1C220M0505	1000
	33	5	5.4	55	0.20	XS1C330M0505	1000
	47	5	5.4	55	0.20	XS1C470M0505	1000
		6.3	5.4	75	0.20	XS1C470M0605	1000
	68	6.3	5.4	89	0.20	XS1C680M0605	1000
	100	6.3	5.4	89	0.20	XS1C101M0605	1000
		6.3	7.7	109	0.20	XS1C101M0607	1000
		8	6.5	125	0.20	XS1C101M0806	1000
	220	6.3	7.7	124	0.20	XS1C221M0607	1000
		8	6.5	124	0.20	XS1C221M0806	1000
		8	10.5	270	0.20	XS1C221M0810	500
	330	8	10.5	290	0.20	XS1C331M0810	500
		10	7.7	290	0.20	XS1C331M1007	500
	470	8	10.5	290	0.20	XS1C471M0810	500
		10	10.5	400	0.20	XS1C471M1010	500
	680	10	10.5	410	0.20	XS1C681M1010	500
	1000	10	10.5	370	0.22	XS1C102M1010	500
		10	13	430	0.22	XS1C102M1013	400
		12.5	13.5	750	0.32	XS1C102M1313	200
25	4.7	4	5.4	26	0.18	XS1E4R7M0405	2000
	10	4	5.4	26	0.18	XS1E100M0405	2000
		5	5.4	44	0.18	XS1E100M0505	1000
	22	5	5.4	47	0.18	XS1E220M0505	1000
		6.3	5.4	59	0.18	XS1E220M0605	1000
	33	5	5.4	55	0.18	XS1E330M0505	1000
		6.3	5.4	67	0.18	XS1E330M0605	1000
	47	6.3	5.4	75	0.18	XS1E470M0605	1000
		6.3	7.7	98	0.18	XS1E470M0607	1000
		8	6.5	98	0.18	XS1E470M0806	1000
	68	6.3	5.4	75	0.18	XS1E680M0605	1000
		6.3	7.7	109	0.18	XS1E680M0607	1000
	100	6.3	5.4	67	0.18	XS1E101M0605	1000
		6.3	7.7	109	0.18	XS1E101M0607	1000
		8	6.5	125	0.18	XS1E101M0806	1000
		8	10.5	270	0.18	XS1E101M0810	500
	220	8	10.5	270	0.18	XS1E221M0810	500
		10	7.7	270	0.18	XS1E221M1007	500
	330	8	10.5	270	0.18	XS1E331M0810	500
		10	10.5	400	0.18	XS1E331M1010	500
	470	10	10.5	400	0.18	XS1E471M1010	500
	680	10	13	430	0.18	XS1E681M1013	400
		12.5	13.5	680	0.26	XS1E681M1313	200
	1000	12.5	13.5	750	0.28	XS1E102M1313	200

①额定纹波电流 (120Hz / +85℃) ②损耗角正切值 tan δ (120Hz / +20℃) ③若是车规产品, 料号后增加 1 位编码 "a"

※关于回流焊温度曲线, 请参阅目录回流焊条件说明

特性一览表

额定电压 (V)	静电容量 ($\pm 20\%$) (μF)	产品尺寸		特性		料号③	编带装盘
		直径 (mm)	高度 (mm)	额定纹波电流① (mArms)	$\tan \delta$ ②		最小包装数 (pcs/盘)
35	4.7	4	5.4	26	0.16	XS1V4R7M0405	2000
	10	4	5.4	26	0.16	XS1V100M0405	2000
		5	5.4	44	0.16	XS1V100M0505	1000
	22	5	5.4	47	0.16	XS1V220M0505	1000
		6.3	5.4	59	0.16	XS1V220M0605	1000
	33	6.3	5.4	67	0.16	XS1V330M0605	1000
		6.3	7.7	85	0.16	XS1V330M0607	1000
	47	6.3	5.4	67	0.16	XS1V470M0605	1000
		6.3	7.7	98	0.16	XS1V470M0607	1000
		8	6.5	105	0.16	XS1V470M0806	1000
	68	6.3	7.7	109	0.16	XS1V680M0607	1000
	100	6.3	7.7	109	0.16	XS1V101M0607	1000
		8	10.5	252	0.16	XS1V101M0810	500
	150	10	7.7	252	0.16	XS1V151M1007	500
	220	8	10.5	270	0.16	XS1V221M0810	500
		10	10.5	370	0.16	XS1V221M1010	500
	330	10	10.5	400	0.16	XS1V331M1010	500
		10	13	430	0.16	XS1V331M1013	400
	470	10	10.5	370	0.16	XS1V471M1010	500
		10	13	430	0.16	XS1V471M1013	400
		12.5	13.5	680	0.22	XS1V471M1313	200
	680	12.5	13.5	680	0.22	XS1V681M1313	200
50	1	4	5.4	10	0.14	XS1H010M0405	2000
	2.2	4	5.4	14	0.14	XS1H2R2M0405	2000
	3.3	4	5.4	17	0.14	XS1H3R3M0405	2000
	4.7	4	5.4	20	0.14	XS1H4R7M0405	2000
		5	5.4	35	0.14	XS1H4R7M0505	1000
	10	5	5.4	35	0.14	XS1H100M0505	1000
		6.3	5.4	50	0.14	XS1H100M0605	1000
	22	6.3	5.4	50	0.14	XS1H220M0605	1000
		6.3	7.7	65	0.14	XS1H220M0607	1000
		8	6.5	70	0.14	XS1H220M0806	1000
	33	6.3	7.7	75	0.14	XS1H330M0607	1000
		8	6.5	95	0.14	XS1H330M0806	1000
	47	6.3	7.7	75	0.14	XS1H470M0607	1000
		8	6.5	95	0.14	XS1H470M0806	1000
		8	10.5	190	0.14	XS1H470M0810	500
	68	8	10.5	190	0.14	XS1H680M0810	500
	100	8	10.5	190	0.14	XS1H101M0810	500
		10	10.5	320	0.14	XS1H101M1010	500
	220	10	10.5	320	0.14	XS1H221M1010	500
	330	10	13	320	0.14	XS1H331M1013	400
		12.5	13.5	600	0.18	XS1H331M1313	200
	470	12.5	16	740	0.18	XS1H471M1316	200

①额定纹波电流 (120Hz / +85℃) ②损耗角正切值 $\tan \delta$ (120Hz / +20℃) ③若是车规产品, 料号后增加 1 位编码 "a"

※关于回流焊温度曲线, 请参阅目录回流焊条件说明

特性一览表							
额定电压 (V)	静电容量 (±20%) (μF)	产品尺寸		特性		料号③	编带装盘
		直径 (mm)	高度 (mm)	额定纹波电流① (mArms)	tan δ②		最小包装数 (pcs/盘)
63	1	4	5.4	8	0.14	XS1J010M0405	2000
	2.2	4	5.4	12	0.14	XS1J2R2M0405	2000
	3.3	5	5.4	22	0.14	XS1J3R3M0505	1000
	4.7	5	5.4	25	0.14	XS1J4R7M0505	1000
	10	6.3	5.4	40	0.14	XS1J100M0605	1000
		8	6.5	46	0.14	XS1J100M0806	1000
	22	6.3	7.7	49	0.14	XS1J220M0607	1000
		8	6.5	55	0.14	XS1J220M0806	1000
		8	10.5	139	0.14	XS1J220M0810	500
	33	8	10.5	139	0.14	XS1J330M0810	500
	47	8	10.5	139	0.14	XS1J470M0810	500
		10	10.5	200	0.14	XS1J470M1010	500
	68	10	10.5	226	0.14	XS1J680M1010	500
	100	10	10.5	226	0.14	XS1J101M1010	500
		10	13	270	0.14	XS1J101M1013	400
100	220	12.5	13.5	500	0.14	XS1J221M1313	200
	330	12.5	16	600	0.14	XS1J331M1316	200
	4.7	5	5.4	15	0.14	XS2A4R7M0505	1000
		6.3	5.4	21	0.14	XS2A4R7M0605	1000
		6.3	7.7	35	0.14	XS2A4R7M0607	1000
	10	6.3	5.4	25	0.14	XS2A100M0605	1000
		6.3	7.7	35	0.14	XS2A100M0607	1000
		8	6.5	50	0.14	XS2A100M0806	1000
		8	10.5	90	0.14	XS2A100M0810	500
	22	8	10.5	90	0.14	XS2A220M0810	500
		10	10.5	120	0.14	XS2A220M1010	500
		10	10.5	120	0.14	XS2A330M1010	500
	47	10	10.5	120	0.14	XS2A470M1010	500
		10	13	160	0.14	XS2A470M1013	400
		12.5	13.5	340	0.14	XS2A470M1313	200
	68	10	13	180	0.14	XS2A680M1013	400
		12.5	13.5	380	0.14	XS2A680M1313	200
	100	12.5	13.5	440	0.14	XS2A101M1313	200

①额定纹波电流 (120Hz / +85℃) ②损耗角正切值 tan δ (120Hz / +20℃) ③若是车规产品，料号后增加 1 位编码 “a”

※关于回流焊温度曲线，请参阅目录回流焊条件说明